

<b>REQUEST FOR QUOTATION</b> (THIS IS NOT AN ORDER)			THIS REQ <input checked="" type="checkbox"/> IS <input type="checkbox"/> IS NOT A SMALL BUSINESS SET-ASIDE		PAGE 1 OF 10 PAGES
1. REQUEST NO. N00253-04-Q-0058		2. DATE ISSUED 04 JAN 14		3. REQUISITION/PURCHASE REQUEST NO. 60100 40087818	
5a. ISSUED BY SUPPLY OFFICER (CODE 182) NAVAL UNDERSEA WARFARE CTR, DK		4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1		RATING DO-C9E	
5b. FOR INFORMATION CALL (NO COLLECT CALLS)				6. DELIVER BY (Date) 04 FEB 20	
NAME 610 DOWELL ST KEYPORT, WA 98345-7610 HELEN ELY				7. DELIVERY <input checked="" type="checkbox"/> FOB DESTINATION <input type="checkbox"/> OTHER (See Schedule)	
TELEPHONE NUMBER AREA CODE 360 NUMBER 315-3171 FAX: 360 396-7036				9. DESTINATION N00253	
8. TO:				a. NAME OF CONSIGNEE BUILDING 893 SUPPLY OFFICER NAVAL UNDERSEA WARFARE CTR, DK	
a. NAME		b. COMPANY		b. STREET ADDRESS 610 DOWELL ST	
c. STREET ADDRESS				c. CITY KEYPORT	
d. CITY		e. STATE WA		f. ZIP CODE 98345-7610	
10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE IN BLOCK 5A ON OR BEFORE CLOSE OF BUSINESS (Date) 04 JAN 30				IMPORTANT: This is a request for information and quotations furnished are not offers. If you are unable to quote, please so indicate on this form and return it to the address in Block 5A. This request does not commit the Government to pay any costs incurred in the preparation of the submission of this quotation or to contract for supplies or services. Supplies are of domestic origin unless otherwise indicated by quoter. Any representations and/or certifications attached to this Request for Quotations must be completed by the quoter.	

11. SCHEDULE (Include applicable Federal, State and local taxes)					
ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)
0001	REQN. NO. 60100 /40087818 WORKBENCHES ELECTRONIC/PACKAGING  PER PESK 4992 (ATTACHED)  NOTE: PLEASE STATE MAXIMUM OR MINIMUM OR ALLOW RANGE OF VARIANCE (I.E. +/- 0.5") OTHER-WISE CAN ONLY ACCEPT EXACT SIZE.  THE ABOVE NOTE APPLIES TO THE FOLLOWING SECTIONS OF PESK 4992: 2.1.1; 2.1.5; 2.1.8; 2.2.1; 2.2.5; 2.2.7; AND 2.2.8.	1	EA		

12. DISCOUNT FOR PROMPT PAYMENT	a. 10 CALENDAR DAYS (%)	b. 20 CALENDAR DAYS (%)	c. 30 CALENDAR DAYS (%)	d. CALENDAR DAYS
				NUMBER PERCENTAGE

NOTE: Additional provisions and representations ☐ are ☐ are not attached

13. NAME AND ADDRESS OF QUOTER		14. SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION		15. DATE OF QUOTATION	
a. NAME OF QUOTER		16. SIGNER			
b. STREET ADDRESS					
c. COUNTY					
d. CITY		e. STATE f. ZIP CODE		c. TITLE (Type or print)	
				NUMBER	

CONTINUATION SHEET

DOC. NO. N00253-04-Q-0058

PAGE NO. 2 OF 10

VENDOR:

SECTION C DESCRIPTION/SPECIFICATIONS

FAR 52.204-6 DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER

JUN 1999

SECTION F TIME OF DELIVERY

DELIVERIES SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS

ITEM	QUANTITY	DELIVERY REQUIRED
0001	1 EA	04-FEB-20

SECTION L INSTRUCTIONS AND CONDITIONS

SUP 5252.213-9401 NOTICE TO PROSPECTIVE SUPPLIERS

APR 1997

(A) THIS PROCUREMENT IS SUBJECT TO THE NAVY'S RED/YELLOW/GREEN (RYG) PROGRAM. RYG IS AUTHORIZED BY THE ASSISTANT SECRETARY OF THE NAVY (RESEARCH, DEVELOPMENT, AND ACQUISITION) FOR USE IN THE ACQUISITION OF SUPPLIES AND SERVICES USED TO BUILD, MAINTAIN AND OPERATE THE FLEET.

(B) THE GOVERNMENT RESERVES THE RIGHT TO AWARD TO THE SUPPLIER WHOSE QUOTE REPRESENTS THE BEST VALUE TO THE GOVERNMENT. AS, SUCH, THE BASIS FOR AWARD WILL INCLUDE AN EVALUATION OF EACH SUPPLIER'S PAST PERFORMANCE HISTORY FOR THE FEDERAL SUPPLY CLASS(ES) OR SERVICE CODES(S) (FSCs) OF THE SUPPLIES AND SERVICES BEING PURCHASED. THE PRICE TO BE CONSIDERED IN DETERMINING BEST VALUE WILL BE THE EVALUATED PRICE AFTER APPLICATION OF TECHNICAL EVALUATION ADJUSTMENTS (TEAS).

(C) THE PROCEDURES DESCRIBED IN THE CLAUSE ENTITLED, "ADDITIONAL EVALUATION FACTOR FOR CONSIDERATION OF PAST PERFORMANCE - NAVY RED/YELLOW/GREEN PROGRAM (APR 1997)", WILL BE USED TO ASSIST IN DETERMINING BEST VALUE FOR THE GOVERNMENT.

SUP 5252.213-9402

ADDITIONAL EVALUATION FACTOR FOR CONSIDERATION OF PAST PERFORMANCE - NAVY RED/YELLOW/GREEN PROGRAM

APR 1997

(A) THIS PROCUREMENT IS SUBJECT TO THE NAVY'S RED/YELLOW/GREEN (RYG) PROGRAM, AUTHORIZED BY THE ASSISTANT SECRETARY OF THE NAVY (RESEARCH, DEVELOPMENT AND ACQUISITION) FOR USE BY PARTICIPATING ACTIVITIES DURING THE ACQUISITION OF SUPPLIES AND SERVICES USED TO BUILD, MAINTAIN, AND OPERATE THE FLEET.

(B) THE PURPOSE OF RYG IS TO ASSIST CONTRACTING PERSONNEL DURING SOURCE SELECTION TO DETERMINE THE BEST VALUE FOR THE GOVERNMENT. THE PROGRAM USES ACCUMULATED SUPPLIER BEST PERFORMANCE DATA TO CLASSIFY EACH

CONTINUATION SHEET

DOC. NO. N00253-04-Q-0058

PAGE NO. 3 OF 10

VENDOR:

SECTION L INSTRUCTIONS AND CONDITIONS

SUPPLIER'S PERFORMANCE BY FEDERAL SUPPLY CLASS(ES) OR SERVICE CODE(S) (FSCs) AS EITHER RED (HIGH RISK), YELLOW (MODERATE RISK), GREEN (LOW RISK) OR NEUTRAL (NO RISK ESTABLISHED).

(C) TO ASSIST IN SOURCE SELECTION, A MONETARY ASSESSMENT IN THE FORM OF A TECHNICAL EVALUATION ADJUSTMENT (TEA) IS ADDED TO EACH SUPPLIER'S QUOTE HAVING A RED OR YELLOW CLASSIFICATION FOR THE FSC INVOLVED. THE DOLLAR AMOUNT OF THE RED OR YELLOW TEA ASSESSMENT IS BASED ON THE COST TO THE GOVERNMENT OF EFFECTING ADDITIONAL ACTIONS REQUIRED TO ASSURE PERFORMANCE BY A SUPPLIER WITH AN UNSATISFACTORY PERFORMANCE HISTORY FOR THE FSC(s) INVOLVED. NO TEA IS ASSESSED FOR A SUPPLIER HAVING EITHER A GREEN OR NEUTRAL FSC RYG CLASSIFICATION. FOR PURPOSES OF THE RYG PROGRAM, A NEUTRAL CLASSIFICATION IS ASSIGNED TO SUPPLIERS WHO ARE FIRST TIME QUOTERS TO THE GOVERNMENT FOR THE FSC(s) INVOLVED, SUPPLIERS OTHERWISE HAVING NO PERFORMANCE DATA IN THE RYG DATABASE FOR THE FSC(s) INVOLVED, AND SUPPLIERS WHOSE PAST PERFORMANCE DATA IN THE RYG DATABASE FOR THE FSC(s) INVOLVED ARE OVER THREE YEARS OLD. AFTER CONSIDERATION OF ANY OTHER PERTINENT, PRICE-RELATED FACTORS (E.G., TRANSPORTATION CHARGES, FIRST ARTICLE TESTING, DISCOUNT TERMS), THE ADJUSTED PRICE BECOMES THE BASIS FOR DETERMINING AWARD. A SUPPLIER'S RYG CLASSIFICATION MAY CHANGE OVER TIME AS NEW OR REVISED PERFORMANCE DATA BECOMES AVAILABLE.

(D) RYG CLASSIFICATIONS ARE SUMMARIZED AS FOLLOWS:

(1) GREEN IS LOW RISK. NO PERFORMANCE ASSURANCE ACTIONS ARE CONSIDERED NECESSARY. NO TEA WILL BE ASSESSED.

(2) YELLOW IS MODERATE RISK. ADDITIONAL PERFORMANCE ASSURANCE ACTIONS ARE CONSIDERED NECESSARY. A TEA WILL BE APPLIED TO THE PROSPECTIVE SUPPLIER'S PRICE TO REFLECT THE GOVERNMENT'S ESTIMATED ADDITIONAL COSTS.

(3) RED IS HIGH RISK. SIGNIFICANT ADDITIONAL PERFORMANCE ASSURANCE REQUIREMENTS ARE CONSIDERED NECESSARY. A TEA WILL BE APPLIED TO THE PROSPECTIVE SUPPLIER'S PRICE TO REFLECT THE GOVERNMENT'S ESTIMATED ADDITIONAL COSTS.

(4) NEUTRAL IS NO RISK ESTABLISHED. NO TEA IS ASSESSED; NEVERTHELESS, ADDITIONAL PERFORMANCE ASSURANCE REQUIREMENTS MAY BE CONSIDERED NECESSARY TO ASSURE QUALITY AND ON-TIME DELIVERY.

(E) RYG CLASSIFICATIONS FOR ALL APPLICABLE FSCs ARE ESTABLISHED MONTHLY FOR EACH SUPPLIER AND PROVIDED TO THEM. SUPPLIERS MAY ADDRESS QUESTIONS ABOUT THEIR FSC RYG CLASSIFICATIONS TO THE NAVAL SEA SYSTEMS COMMAND DETACHMENT, NAVAL MATERIAL QUALITY ASSESSMENT OFFICE (NMQAO), FEDERAL BUILDING, ROOM 400, 80 DANIEL STREET, PORTSMOUTH, NH 03801-3884, TELEPHONE (603)431-9460, EXT 464. SUPPLIERS MAY ALSO ASSESS THEIR INDIVIDUAL FSC RYG CLASSIFICATIONS THOROUGH THE AUTOMATED VENDOR ACCESS PROGRAM. TO OBTAIN AUTOMATED ACCESS, WRITTEN REQUESTS MUST BE SUBMITTED ON COMPANY LETTERHEAD TO NMQAO AT THE ADDRESS ABOVE. THE REQUEST MUST INCLUDE THE REQUESTOR'S NAME, TITLE,

CONTINUATION SHEET

DOC. NO. N00253-04-Q-0058

PAGE NO. 4 OF 10

VENDOR:

SECTION L INSTRUCTIONS AND CONDITIONS

COMPANY NAME, ADDRESS, TELEPHONE NUMBER AND CONTRACTOR AND GOVERNMENT ENTITY (CAGE) CODE. THE CAGE CODE IS MANDATORY. IN RESPONSE, NMQAO WILL PROVIDE EACH SUPPLIER, WITHOUT CHARGE, WITH AN INDIVIDUAL PASSWORD, ALL REQUIRED SOFTWARE, AND INFORMATION ON ACCESSING ITS INDIVIDUAL DATA. ADDITIONAL INFORMATION ON THE AUTOMATED VENDOR ACCESS PROGRAM IS AVAILABLE BY CALLING (603)431-9460, EXT 464.

FAR 52.213-4 TERMS AND CONDITIONS - SIMPLIFIED ACQUISITIONS OCT 2003  
(OTHER THAN COMMERCIAL ITEMS)

(a) THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING FEDERAL ACQUISITION REGULATION (FAR) CLAUSES THAT ARE INCORPORATED BY REFERENCE:

- (1) THE CLAUSES LISTED BELOW IMPLEMENT PROVISIONS OF LAW OR EXECUTIVE ORDER.
  - (i) 52.222-3, CONVICT LABOR (JUN 2003) (E.O. 11755)
  - (ii) 52.222-21, PROHIBITION OF SEGREGATED FACILITIES (FEB 1999) (E.O. 11246).
  - (iii) 52.222-26, EQUAL OPPORTUNITY (APR 2002) (E.O. 11246)
  - (iv) 52.225-13, RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (JUL 2003) (E.O.'S 12722, 12724, 13059, 13067, 13121, AND 13129)
  - (v) 52.233-3 PROTEST AFTER AWARD (AUG 1996) (31 U.S.C.3553)
- (2) LISTED BELOW ARE ADDITIONAL CLAUSES THAT APPLY:
  - (i) 52.232-1, PAYMENTS (APR 1984)
  - (ii) 52.232-8, DISCOUNTS FOR PROMPT PAYMENT (FEB 2002)
  - (iii) 52.532-11, EXTRAS (APR 1984)
  - (iv) 52.232-25, PROMPT PAYMENT (FEB 2002)
  - (v) 52.233-1 DISPUTES (JUL 2002)
  - (vi) 52.244-6, SUBCONTRACTS FOR COMMERCIAL ITEMS (APR 2003)
  - (vii) 52.253-1, COMPUTER GENERATED FORMS (JAN 1991)

(b) THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING FAR CLAUSES, INCORPORATED BY REFERENCE, UNLESS THE CIRCUMSTANCES DO NOT APPLY:

- (1) THE CLAUSES LISTED BELOW IMPLEMENT PROVISIONS OF LAW OR EXECUTIVE ORDER:
  - (i) 52.222-19, CHILD LABOR - COOPERATION WITH AUTHORITIES AND REMEDIES (SEPT 2002) (E.O. 13126). (APPLIES TO CONTRACTS FOR SUPPLIES EXCEEDING THE MICRO-PURCHASE THRESHOLD.)
  - (ii) 52.222-20, WALSH-HEALEY PUBLIC CONTRACTS ACT (DEC 1996) (41 U.S.C. 35-45) (APPLIES TO SUPPLY CONTRACTS OVER \$10,000 IN THE UNITED STATES, PUERTO RICO, OR THE U.S. VIRGIN ISLANDS.)
  - (iii) 52.222-35, EQUAL OPPORTUNITY FOR SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS (DEC 2001) (38 U.S.C. 4212) APPLIES TO CONTRACTS OF \$25,000 OR MORE.
  - (iv) 52.222-36, AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES (JUNE 1998) (29 U.S.C. 793) (APPLIES TO CONTRACTS OVER \$10,000, UNLESS THE WORK IS TO BE PERFORMED OUTSIDE THE UNITED STATES BY EMPLOYEES RECRUITED OUTSIDE THE UNITED STATES.) (FOR PURPOSES OF THIS CLAUSE, UNITED STATES INCLUDES THE 50 STATES, THE DISTRICT OF COLUMBIA, PUERTO RICO, THE NORTHERN MARIANA ISLANDS, AMERICAN SAMOA, GUAM, THE U.S. VIRGIN ISLANDS,

CONTINUATION SHEET

DOC. NO. N00253-04-Q-0058

PAGE NO. 5 OF 10

VENDOR:

AND WAKE ISLAND.

(v) 52.222-37, EMPLOYMENT REPORTS ON SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS (DEC 2001) (38USC 4212) APPLIES TO CONTRACTS OF \$25,000 OR MORE).

(vi) 52.222-41, SERVICE CONTRACT ACT OF 1965, AS AMENDED (MAY 1989) (41U.S.C. 351, et seq.) (APPLIES TO SERVICE CONTRACTS OVER \$2,500 THAT ARE SUBJECT TO THE SERVICE CONTRACT ACT AND WILL BE PERFORMED IN THE UNITED STATES, DISTRICT OF COLUMBIA, PUERTO RICO, THE NORTHERN MARIANA ISLANDS, AMERICAN SAMOA, GUAM, THE U.S. VIRGIN ISLANDS, JOHNSTON ISLAND, WAKE ISLAND, OR OTHER CONTINENTAL SHELF LANDS).

(vii) POLLUTION PREVENTION AND RIGHT-TO-KNOW INFORMATION (AUG 2003) (E.O. 13148) (APPLIES TO SERVICES PERFORMED ON FEDERAL FACILITIES).

(viii) 52.225-1, BUY AMERICAN ACT-SUPPLIES (JUNE 2003) (41 U.S.C. 10a-10d) (APPLIES TO CONTRACTS FOR SUPPLIES AND TO CONTRACTS FOR SERVICES INVOLVING THE FURNISHING OF SUPPLIES, FOR USE WITHIN THE UNITED STATES OR ITS OUTLYING AREAS, IF THE VALUE OF THE SUPPLY CONTRACT OR SUPPLY PORTION OF A SERVICE CONTRACT EXCEEDS THE MICRO-PURCHASE THRESHOLD AND THE ACQUISITION -

(A) IS SET ASIDE FOR SMALL BUSINESS CONCERNS; OR

(B) CANNOT BE SET ASIDE FOR SMALL BUSINESS CONCERNS (SEE 19.502-2), AND DOES NOT EXCEED \$25,000).

(ix) 52.232-33, PAYMENT BY ELECTRONIC FUNDS TRANSFER-CENTRAL CONTRACTOR REGISTRATION (OCT 2003), (APPLIES WHEN THE PAYMENT WILL BE MADE BY ELECTRONIC FUNDS TRANSFER (EFT) AND THE PAYMENT OFFICE USES THE CENTRAL CONTRACTOR REGISTRATION (CCR) DATABASE AS ITS SOURCE OF EFT INFORMATION.)

(x) 52.232-34, PAYMENT BY ELECTRONIC FUNDS TRANSFER -OTHER THAN CENTRAL CONTRACTOR REGISTRATION (MAY 1999) (APPLIES WHEN THE PAYMENT WILL BE MADE BY EFT AND THE PAYMENT OFFICE DOES NOT USE THE CCR DATABASE AS IT SOURCE OF EFT INFORMATION.)

(xi) 52.247-64, PREFERENCE FOR PRIVATELY OWNED U.S. FLAG COMMERCIAL VESSELS (APR 2003) (46 U.S.C. APPX 1241). (APPLIES TO SUPPLIES TRANSPORTED BY OCEAN VESSELS (EXCEPT FOR THE TYPES OF SUBCONTRACTS LISTED AT 47.504(d).)

(2) LISTED BELOW ARE ADDITIONAL CLAUSES THAT MAY APPLY:

(i) 52.209-6, PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT (JULY 1995) (APPLIES TO CONTRACTS OVER \$25,000).

(ii) 52.211-17, DELIVERY OF EXPRESS QUANTITIES (SEPT 1989) (APPLIES TO FIXED PRICE SUPPLIES).

(iii) 52.247-29, F.o.b. ORIGIN (JUNE 1988) (APPLIES TO SUPPLIES IF DELIVERY IS f.o.b. ORIGIN).

(iv) 52.247-34, F.o.b. DESTINATION (NOV 1991) (APPLIES TO SUPPLIES IF DELIVERY IS f.o.b. DESTINATION.)

(c) FAR 52.252-2, CLAUSES INCORPORATED BY REFERENCE (FEB 1998) THIS CONTACT INCORPORATES ONE OR MORE CLAUSES BY REFERENCE, WITH THE SAME FORCE AND EFFECT AS IF THEY WERE GIVEN IN FULL TEXT. UPON REQUEST, THE CONTRACTING OFFICER WILL MAKE THEIR FULL TEXT AVAILABLE. ALSO, THE FULL TEXT OF A CLAUSE MAYBE ACCESSED ELECTRONICALLY AT THESE ADDRESSES:

FAR: <http://www.arnet.gov/far/>

DFAR: <http://www.acq.osd.mil/dp/dfars.html>

NAPS: <http://www.abm.rda.hq.navy.mil/naps>

(d) INSPECTION/ACCEPTANCE. THE CONTRACTOR SHALL TENDER FOR ACCEPTANCE ONLY THOSE ITEMS THAT CONFORM TO THE REQUIREMENTS OF THIS CONTRACT. THE GOVERNMENT RESERVES THE RIGHT TO INSPECT OR TEST ANY SUPPLIES OR SERVICES THAT HAVE BEEN TENDERED FOR

CONTINUATION SHEET

DOC. NO. N00253-04-Q-0058

PAGE NO. 6 OF 10

VENDOR:

ACCEPTANCE. THE GOVERNMENT MAY REQUIRE REPAIR OR REPLACEMENT OF NONCONFORMING SUPPLIES OR REPERFORMANCE OF NONCONFORMING SERVICES AT NO INCREASE IN CONTRACT PRICE. THE GOVERNMENT MUST EXERCISE ITS POSTACCEPTANCE RIGHTS-

(1) WITHIN A REASONABLE PERIOD OF TIME AFTER THE DEFECT WAS DISCOVERED OR SHOULD HAVE BEEN DISCOVERED; AND

(2) BEFORE ANY SUBSTANTIAL CHANGE OCCURES IN THE CONDITION OF THE ITEM, UNLESS THE CHANGE IS DUE TO THE DEFECT IN THE ITEM.

(e) EXCUSABLE DELAYS. THE CONTRACTOR SHALL BE LIABLE FOR DEFAULT UNLESS NONPERFORMANCE IS CAUSED BY AN OCCURRENCE BEYOND THE REASONABLE CONTROL OF THE CONTRACTOR AND WITHOUT ITS FAULT OR NEGLIGENCE, SUCH AS ACTS OF GOD OR THE PUBLIC ENEMY, ACTS OF THE GOVERNMENT IN EITHER ITS SOVEREIGN OR CONTRACTUAL CAPACITY, FIRES, FLOODS, EPIDEMICS, QUARANTINE RESTRICTIONS, STRIKES, UNUSUALLY SEVERE WEATHER, AND DELAYS OF COMMON CARRIERS. THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER IN WRITING AS SOON AS IT IS REASONABLY POSSIBLE AFTER THE COMMENCEMENT OF ANY EXCUSABLE DELAY, SETTING FORTH THE FULL PARTICULARS IN CONNECTION THEREWITH, SHALL REMEDY SUCH OCCURRENCE WITH ALL REASONABLE DESPATCH, AND SHALL PROMPTLY GIVE WRITTEN NOTICE TO THE CONTRACTING OFFICER OF THE CESSATION OF SUCH OCCURRENCE.

(f) TERMINATION FOR THE GOVERNMENT'S CONVENIENCE. THE GOVERNMENT RESERVES THE RIGHT TO TERMINATE THIS CONTRACT, OR ANY PART HEREOF, FOR ITS SOLE CONVENIENCE. IN THE EVENT OF SUCH TERMINATION, THE CONTRACTOR SHALL IMMEDIATELY STOP ALL WORK HEREUNDER AND SHALL IMMEDIATELY CAUSE ANY AND ALL OF ITS SUPPLIERS TO CEASE WORK. SUBJECT TO THE TERMS OF THIS CONTRACT, THE CONTRACTOR SHALL BE PAID A PERCENTAGE OF THE CONTRACT PRICE REFLECTING THE PERCENTAGE OF THE WORK PERFORMED PRIOR TO THE NOTICE OF TERMINATION, PLUS REASONABLE CHARGES THAT THE CONTRACTOR CAN DEMONSTRATE TO THE SATISFACTION OF THE GOVERNMENT, USING ITS STANDARD RECORD KEEPING SYSTEM, HAVE RESULTED FROM THE TERMINATION. THE CONTRACTOR SHALL NOT BE REQUIRED TO COMPLY WITH THE COST ACCOUNTING STANDARDS OR CONTRACT COST PRINCIPLES FOR THIS PURPOSE. THIS PARAGRAPH DOES NOT GIVE THE GOVERNMENT ANY RIGHT TO AUDIT THE CONTRACTOR'S RECORDS. THE CONTRACTOR SHALL NOT BE PAID FOR ANY WORK PERFORMED OR COSTS INCURRED THAT REASONABLY COULD HAVE BEEN AVOIDED.

(g) TERMINATION FOR CAUSE. THE GOVERNMENT MAY TERMINATE THIS CONTRACT, OR ANY PART HEREOF, FOR CAUSE IN THE EVENT OF ANY DEFAULT BY THE CONTRACTOR, OR IF THE CONTRACTOR FAILS TO COMPLY WITH ANY CONTRACT TERMS AND CONDITIONS, OR FAILS TO PROVIDE THE GOVERNMENT, UPON REQUEST, WITH ADEQUATE ASSURANCES OF FUTURE PERFORMANCE. IN THE EVENT OF TERMINATION FOR CAUSE, THE GOVERNMENT SHALL NOT BE LIABLE TO THE CONTRACTOR FOR ANY AMOUNT FOR SUPPLIES OR SERVICES NOT ACCEPTED, AND THE CONTRACTOR SHALL BE LIABLE TO THE GOVERNMENT FOR ANY AND ALL RIGHTS AND REMEDIES PROVIDED BY LAW. IF IT IS DETERMINED THAT THE GOVERNMENT IMPROPERLY TERMINATED THIS CONTRACT FOR DEFAULT, SUCH TERMINATION SHALL BE DEEMED A TERMINATION FOR CONVENIENCE.

(h) WARRANTY. THE CONTRACTOR WARRANTS AND IMPLIES THAT THE ITEMS DELIVERED HEREUNDER ARE MERCHANTABLE AND FIT FOR USE FOR THE PARTICULAR PURPOSE DESCRIBED IN THIS CONTRACT.

(END OF CLAUSE)

DFARS 252.204-7004 REQUIRED CENTRAL CONTRACTOR REGISTRATION

NOV 2001

(A) DEFINITIONS. AS USED IN THIS CLAUSE --

CONTINUATION SHEET

DOC. NO. N00253-04-Q-0058

PAGE NO. 7 OF 10

VENDOR:

(1) "CENTRAL CONTRACTOR REGISTRATION (CCR) DATABASE" MEANS THE PRIMARY DOD REPOSITORY FOR CONTRACTOR INFORMATION REQUIRED FOR THE CONDUCT OF BUSINESS WITH DOD.

(2) "DATA UNIVERSAL NUMBER SYSTEM (DUNS) NUMBER" MEANS THE 9-DIGIT NUMBER ASSIGNED BY DUNS AND BRADSTREET INFORMATION SERVICES TO IDENTIFY UNIQUE BUSINESS ENTITIES.

(3) "DATA UNIVERSAL NUMBERING SYSTEM +4 (DUNS+4) NUMBER" MEANS THE DUNS NUMBER ASSIGNED BY DUN AND BRADSTREET PLUS A 4-DIGIT SUFFIX THAT MAY BE ASSIGNED BY A PARENT (CONTROLLING) BUSINESS CONCERN. THIS 4-DIGIT SUFFIX MAY BE ASSIGNED AT THE DISCRETION OF THE PARENT BUSINESS CONCERN FOR SUCH PURPOSES AS IDENTIFYING SUBUNITS OR AFFILIATES OF THE PARENT BUSINESS CONCERN.

(4) "REGISTERED IN THE CCR DATABASE" MEANS THAT ALL MANDATORY INFORMATION, INCLUDING THE DUNS NUMBER OR THE DUNS+4 NUMBER, IF APPLICABLE, AND THE CORRESPONDING COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE, IS IN THE CCR DATABASE; THE DUNS NUMBER AND THE CAGE CODE HAVE BEEN VALIDATED AND ALL EDITS HAVE BEEN SUCCESSFULLY COMPLETED.

(B) (1) BY SUBMISSION OF AN OFFER, THE OFFEROR ACKNOWLEDGES THE REQUIREMENT THAT A PROSPECTIVE AWARDEE MUST BE REGISTERED IN THE CCR DATABASE PRIOR TO AWARD, DURING PERFORMANCE, AND THROUGH FINAL PAYMENT OF ANY CONTRACT RESULTING FROM THIS SOLICITATION, EXCEPT FOR AWARDS TO FOREIGN VENDORS FOR WORK PERFORMED OUTSIDE THE UNITED STATES.

(2) THE OFFEROR SHALL PROVIDE ITS DUNS OR, IF APPLICABLE, ITS DUNS+4 NUMBER WITH ITS OFFER, WHICH WILL BE USED BY THE CONTRACTING OFFICER TO VERIFY THAT THE OFFEROR IS REGISTERED IN THE CCR DATABASE.

(3) LACK OF REGISTRATION IN THE CCR DATABASE WILL MAKE AN OFFEROR INELIGIBLE FOR AWARD.

(4) DOD HAS ESTABLISHED A GOAL OF REGISTERING AN APPLICANT IN THE CCR DATABASE WITHIN 48 HOURS AFTER RECEIPT OF A COMPLETE AND ACCURATE APPLICATION VIA THE INTERNET. HOWEVER, REGISTRATION OF AN APPLICANT SUBMITTING AN APPLICATION THROUGH A METHOD OTHER THAN THE INTERNET MAY TAKE UP TO 30 DAYS. THEREFORE, OFFERORS THAT ARE NOT REGISTERED SHOULD CONSIDER APPLYING FOR REGISTRATION IMMEDIATELY UPON RECEIPT OF THIS SOLICITATION.

(C) THE CONTRACTOR IS RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF THE DATA WITHIN THE CCR, AND FOR ANY LIABILITY RESULTING FROM THE GOVERNMENT'S RELIANCE ON INITIAL REGISTRATION, THE CONTRACTOR IS REQUIRED TO CONFIRM ON AN ANNUAL BASIS THAT ITS INFORMATION IN THE CCR DATABASE IS ACCURATE AND COMPLETE.

(D) OFFERORS AND CONTRACTORS MAY OBTAIN INFORMATION ON REGISTRATION AND ANNUAL CONFIRMATION REQUIREMENTS BY CALLING 1-888-227-2423, OR VIA THE INTERNET AT <http://ccr.gov>.

FAR 52.204-6	DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER	JUN 1999
DFARS 252.225-7001	BUY AMERICAN ACT - BALANCE OF PAYMENTS PROGRAM	APR 2003
DFARS 252.225-7002	QUALIFYING COUNTRY SOURCES AS SUBCONTRACTORS	APR 2003

CONTINUATION SHEET

DOC. NO. N00253-04-Q-0058

PAGE NO. 8 OF 10

VENDOR:

FAR 52.219-1 SMALL BUSINESS PROGRAM REPRESENTATIONS

APR 2002

(a) (1) THE NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS) CODE FOR THIS ACQUISITION IS 337127\_\_\_\_. [INSERT NAICS CODE].

(2) THE SMALL BUSINESS SIZE STANDARD IS 500\_\_\_\_. [INSERT SIZE STANDARD].

(3) THE SMALL BUSINESS SIZE STANDARD FOR A CONCERN WHICH SUBMITS AN OFFER IN ITS OWN NAME, OTHER THAN ON A CONSTRUCTION OR SERVICE CONTRACT, BUT WHICH PROPOSES TO FURNISH A PRODUCT WHICH IT DID NOT ITSELF MANUFACTURE, IS 500 EMPLOYEES.

(b) REPRESENTATIONS. (1) THE OFFEROR REPRESENTS AS PART OF ITS OFFER THAT IT \_\_\_\_ IS, \_\_\_\_ IS NOT A SMALL BUSINESS CONCERN.

(2) [COMPLETE ONLY IF THE OFFEROR REPRESENTED ITSELF AS A SMALL BUSINESS CONCERN IN PARAGRAPH (b) (1) OF THIS PROVISION.] THE OFFEROR REPRESENTS, FOR GENERAL STATISTICAL PURPOSES, THAT IT \_\_\_\_ IS, \_\_\_\_ IS NOT A SMALL DISADVANTAGED BUSINESS CONCERN AS DEFINED IN 13 CFR 124.1002.

(3) [COMPLETE ONLY IF THE OFFEROR REPRESENTED ITSELF AS A SMALL BUSINESS CONCERN IN PARAGRAPH (b) (1) OF THIS PROVISION.] THE OFFEROR REPRESENTS AS PART OF ITS OFFER THAT IT \_\_\_\_ IS, \_\_\_\_ IS NOT A WOMEN-OWNED SMALL BUSINESS CONCERN.

(4) [COMPLETE ONLY IF THE OFFEROR REPRESENTED ITSELF AS A SMALL BUSINESS CONCERN IN PARAGRAPH (b) (1) OF THIS PROVISION.] THE OFFEROR REPRESENTS AS PART OF ITS OFFER THAT IT \_\_\_\_ IS, \_\_\_\_ IS NOT A VETERAN-OWNED SMALL BUSINESS CONCERN.

(5) [COMPLETE ONLY IF THE OFFEROR REPRESENTED ITSELF AS A VETERAN-OWNED SMALL BUSINESS CONCERN IN PARAGRAPH (b) (4) OF THIS PROVISION.] THE OFFEROR REPRESENTS AS PART OF ITS OFFER THAT IT \_\_\_\_ IS, \_\_\_\_ IS NOT A SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS CONCERN.

(6) [COMPLETE ONLY IF THE OFFEROR REPRESENTED ITSELF AS A SMALL BUSINESS CONCERN IN PARAGRAPH (b) (1) OF THIS PROVISION.] THE OFFEROR REPRESENTS, AS PART OF ITS OFFER, THAT-

(i) IT \_\_\_\_ IS, \_\_\_\_ IS NOT A HUBZONE SMALL BUSINESS CONCERN THE DATE OF THIS REPRESENTATION, ON THE LIST OF QUALIFIED HUBZONE SMALL BUSINESS CONCERNS MAINTAINED BY THE SMALL BUSINESS ADMINISTRATION, AND NO MATERIAL CHANGE IN OWNERSHIP AND CONTROL, PRINCIPAL OFFICE, OR HUBZONE EMPLOYEE PERCENTAGE HAS OCCURRED SINCE IT WAS CERTIFIED BY THE SMALL BUSINESS ADMINISTRATION IN ACCORDANCE WITH 13 CFR PART 126; AND

(ii) IT \_\_\_\_ IS, \_\_\_\_ NOT A JOINT VENTURE THAT COMPLIES WITH THE REQUIREMENTS OF 13 CFR PART 126, AND THE REPRESENTATION IN PARAGRAPH (b) (6) (i) OF THIS PROVISION IS ACCURATE FOR THE HUBZONE SMALL BUSINESS CONCERN OR CONCERNS THAT ARE PARTICIPATING IN THE JOINT VENTURE. [THE OFFEROR SHALL ENTER THE NAME OR NAMES OF THE HUBZONE SMALL BUSINESS CONCERN OR CONCERNS THAT ARE PARTICIPATING IN THE JOINT VENTURE:\_\_\_\_\_]

EACH HUBZONE SMALL BUSINESS CONCERN PARTICIPATING IN THE JOINT VENTURE SHALL SUBMIT A SEPARATE SIGNED COPY OF THE HUBZONE REPRESENTATION.

(c) DEFINITIONS. AS USED IN THIS PROVISION-

"SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS CONCERN"-

(1) MEANS A SMALL BUSINESS CONCERN-

(i) NOT LESS THAN 51 PERCENT OF WHICH IS OWNED BY ONE OR MORE SERVICE-DISABLED VETERANS OR, IN THE CASE OF ANY PUBLICLY OWNED



CONTINUATION SHEET

DOC. NO. N00253-04-Q-0058

PAGE NO. 9 OF 10

VENDOR:

BUSINESS, NOT LESS THAN 51 PERCENT OF THE STOCK OF WHICH IS OWNED BY ONE OR MORE SERVICE-DISABLED VETERANS AND

(ii) THE MANAGEMENT AND DAILY BUSINESS OPERATION OF WHICH IS CONTROLLED BY ONE OR MORE SERVICE-DISABLED VETERANS OR, IN THE CASE OF A VETERAN WITH PERMANENT AND SEVERE DISABILITY, THE SPOUSE OR PERMANENT CAREGIVER OF SUCH VETERAN.

(2) SERVICE-DISABLED VETERAN MEANS A VETERAN, AS DEFINED IN 38 U.S.C. 101(2), WITH A DISABILITY THAT IS SERVICE CONNECTED, AS DEFINED IN 38 U.S.C. 101(16).

"SMALL BUSINESS CONCERN" MEANS A CONCERN, INCLUDING ITS AFFILIATES, THAT IS INDEPENDENTLY OWNED AND OPERATED, NOT DOMINANT IN THE FIELD OF OPERATION IN WHICH IT IS BIDDING ON GOVERNMENT CONTRACTS, AND QUALIFIED AS A SMALL BUSINESS UNDER THE CRITERIA 13 CFR PART 121 AND THE SIZE STANDARD IN PARAGRAPH (a) OF THIS PROVISION.

"VETERAN-OWNED SMALL BUSINESS CONCERN" MEANS A SMALL BUSINESS CONCERN-

(1) NOT LESS THAN 51 PERCENT OF WHICH IS OWNED BY ONE OR MORE VETERANS (AS DEFINED AT 38 U.S.C. 101(2)) OR, IN THE CASE OF ANY PUBLICLY OWNED BUSINESS, NOT LESS THAN 51 PERCENT OF THE STOCK OF WHICH IS OWNED BY ONE OR MORE VETERANS; AND

(2) THE MANAGEMENT AND DAILY BUSINESS OPERATIONS OF WHICH ARE CONTROLLED BY ONE OR MORE VETERANS.

"WOMEN-OWNED SMALL BUSINESS CONCERN" MEANS A SMALL BUSINESS CONCERN-

(1) THAT IS AT LEAST 51 PERCENT OWNED BY ONE OR MORE WOMEN; OR IN THE CASE OF ANY PUBLICLY OWNED BUSINESS, AT LEAST 51 PERCENT OF THE STOCK OF WHICH IS OWNED BY ONE OR MORE WOMEN; AND

(2) WHOSE MANAGEMENT AND DAILY BUSINESS OPERATIONS ARE CONTROLLED BY ONE OR MORE WOMEN.

(d) NOTICE. (1) IF THIS SOLICITATION IS FOR SUPPLIES AND HAS BEEN SET ASIDE, IN WHOLE OR IN PART, FOR SMALL BUSINESS CONCERNS, THE CLAUSE IN THIS SOLICITATION PROVIDING NOTICE OF THE SET-ASIDE CONTAINS RESTRICTIONS ON THE SOURCE OF THE END ITEMS TO BE FURNISHED.

(2) UNDER 15 U.S.C. 645(d), ANY PERSON WHO MISREPRESENTS A FIRM'S STATUS AS A SMALL, HUBZONE SMALL, SMALL DISADVANTAGED, OR WOMEN-OWNED SMALL BUSINESS CONCERN IN ORDER TO OBTAIN A CONTRACT TO BE AWARDED UNDER THE PREFERENCE PROGRAMS ESTABLISHED PURSUANT TO SECTION 8(a), 8(d), 9, OR 15 OF THE SMALL BUSINESS ACT OR ANY OTHER PROVISION OF FEDERAL LAW THAT SPECIFICALLY REFERENCES SECTION 8(d) FOR A DEFINITION OF PROGRAM ELIGIBILITY, SHALL-

(i) BE PUNISHED BY IMPOSITION OF FINE, IMPRISONMENT, OR BOTH;

(ii) BE SUBJECT TO ADMINISTRATIVE REMEDIES, INCLUDING SUSPENSION AND DEBARMENT; AND

(iii) BE INELIGIBLE FOR PARTICIPATION IN PROGRAMS CONDUCTED UNDER THE AUTHORITY OF THE ACT.

(END OF PROVISION)

ALTERNATE I (APR 2002). AS PRESCRIBED IN 19.307(a)(2), ADD THE FOLLOWING PARAGRAPH (b)(7) TO THE BASIC PROVISION:

(7) [COMPLETE IF OFFEROR REPRESENTED ITSELF AS DISADVANTAGED IN PARAGRAPH (b)(2) OF THIS PROVISION.] THE OFFEROR SHALL CHECK THE CATEGORY IN WHICH ITS OWNERSHIP FALLS:

\_\_\_ BLACK AMERICAN.  
\_\_\_ HISPANIC AMERICAN.  
\_\_\_ NATIVE AMERICAN (AMERICAN INDIANS, ESKIMOS, ALEUTS OR NATIVE HAWAIIANS).  
\_\_\_ ASIAN-PACIFIC AMERICAN (PERSONS WITH ORIGINS FROM BURMA, THAILAND, MALAYSIA, INDONESIA, SINGAPORE, BRUNEI, JAPAN, CHINA,

CONTINUATION SHEET

DOC. NO. N00253-04-Q-0058

PAGE NO. 10 OF 10

VENDOR:

TAIWAN, LAOS, CAMBODIA (KAMPUCHEA), VIETNAM, KOREA, THE PHILIPPINES, U.S. TRUST TERRITORY OF THE PACIFIC ISLANDS (REPUBLIC OF PALAU), REPUBLIC OF THE MARSHALL ISLANDS, FEDERATED STATES OF MICRONESIA, THE COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS, GUAM, SAMOA, MACAO, HONG KONG, FIJI, TONGA, KIRIBATI, TUVALU, OR NAURU).

\_\_\_\_ SUBCONTINENT ASIAN (ASIAN-INDIAN) AMERICAN (PERSONS WITH ORIGINS FROM INDIA, PAKISTAN, BANGLADESH, SRI LANKA, BHUTAN, THE MALDIVES ISLANDS, OR NEPAL).

\_\_\_\_ INDIVIDUAL/CONCERN, OTHER THAN ONE OF THE PRECEDING.

FAR 52.219-6 NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE JUL 1996

FAR 52.211-14 NOTICE OF PRIORITY RATING FOR DEFENSE USE SEP 1990

ANY CONTRACT AWARDED AS A RESULT OF THIS SOLICITATION WILL BE \_\_\_\_ DX RATED ORDER; XX DO RATED ORDER CERTIFIED FOR NATIONAL DEFENSE USE UNDER THE DEFENSE PRIORITIES AND ALLOCATIONS SYSTEM (DPAS) (15 CFR 700), AND THE CONTRACTOR WILL BE REQUIRED TO FOLLOW ALL OF THE REQUIREMENTS OF THIS REGULATION.

**PROCUREMENT SPECIFICATION**

**ELECTRONIC / PACKAGING WORKBENCHES**

**PESK 4992**

Prepared By:  
**NAVAL UNDERSEA WARFARE CENTER  
DIVISION KEYPORT**

---- (Rev. B) ----

## 1.0 SCOPE

- 1.1 Purpose:** The purpose of this document is to provide performance specifications for the competitive procurement of workbenches. The procured systems will consist of all hardware, accessories, controls, safety features, manuals and training required to assemble and utilize the workbenches.
- 1.2 Intended Use:** The Naval Undersea Warfare Center (Division Keyport) will use these workbenches in the Applied Technology Electronics Branch (Code 20). The equipment shall be used primarily for organization, repair, assembly, packaging, disassembly, testing and inspections of electronic components.
- 1.3 General Description:** This specification will provide requirements for two general types of workbenches – an Electronics Workbench and a Packaging Workbench. Both types of workbenches will be ergonomic to reduce physical stress, fatigue, and injuries associated with repetitive motion and uncomfortable work postures. Spatial constraints require the workbenches to be modular, allowing the flexibility to construct custom configurations. Workbenches must have electrostatic discharge (ESD) protection to ensure safe handling of static sensitive electronic components. The workbench will provide overhead illumination to complement the environment and application. Electrical circuits will be available pre-wired on the workbench for user manipulation and convenience.

## 2.0 REQUIREMENTS

- 2.1 Electronic Workbench Requirements:** The following electronic workbench shall meet or exceed the following requirements:
- 2.1.1 Basic Workbench Dimensions:** The basic dimensions of the workbench will be 72" in work surface width, 30" in total depth, and 72" in total upright height. All supporting structures including brackets, panels, uprights, and work surfaces will be UL (Underwriters Laboratories Inc.) Listed for safety.
- 2.1.2 Total Load Capacity:** The workbench's total load capacity will be equal to or greater than 500 pounds, evenly distributed across the work surface.
- 2.1.3 Overhead Lighting:** Light fixture will be UL Listed. The workbench will provide a two-tube overhead lighting fixture capable of 100 or more foot-candles of cool light and include an electronic ballast. They will operate above 20,000 Hz to reduce 60-cycle hum and flicker and have full adjustability (height (up/down), depth (forward/backward), and tilt.)
- 2.1.4 Ergonomics:** Workbench will accommodate the 5<sup>th</sup> percentile female to the 95<sup>th</sup> percentile of male. They will comply with state and federal OSHA (Occupational Safety & Health Administration) regulations and the ADA (The Americans with Disability Act.) The work surface will have a 180° rolled front

edge for comfortable use. The work surface will have hand crank-hydraulic adjustability of at least 12" of height travel. The hand crank-hydraulic system will operate at about one inch per five crank revolutions. A footrest will be frame mounted to the workbench uprights. It will fully support both feet of the user, have a non-skid surface, adjust quickly in both height and angle (flat to 90°+), and be able to rotate completely out of the way for cleaning accessibility.

**2.1.5 Power System:** The workbench will be equipped with a single 15-amp circuit interconnecting the upright supports, provide at least eight 110 VAC receptacle outlets available from the supports, and include a power cord. It will be entirely pre-wired with duplex receptacles. This electrical system will be E.T.L. (Electrical Testing Laboratories) Listed for safety. A power channel will be hard mounted across the 72" work surface to provide three additional duplex outlets, an on/off switch with pilot light, circuit breaker, and power cord. An additional power channel 34" in length, wired for 15-amp 110 volts AC, will be mounted above the work surface and below the workbench shelves. This electrical channel will provide at least six outlets, an on/off rocker switch, and power cord.

**2.1.6 Computer Accessibility:** A compartment shall be provided to provide space for a personal computer CPU. The CPU compartment will be safely suspended beneath the work surface and prevent damage from dust, floor, moisture, and cleaning. The monitor will be mounted on a platform off the work surface and attached to the workbench uprights. The platform will support a 25-pound capacity and utilize two pivot arms offering a wide range of monitor locations.

**2.1.7 Document Holder:** A document holder shall be provided for storage of paperwork. The document holder will be attached to the workbench uprights, provide height adjustability, a pivot point at upright bracket, a pivot at pan for position and a clip to display a Landscape size document.

**2.1.8 Shelves and Rails:** An adjustable shelf 72" in length and 14" in depth will carry up to 150-pound, evenly distributed, and be mounted above the work surface by workbench upright attachment. A utility shelf 32" in length and 15" in depth will be mounted off the work surface and offer 0-15° shelf angle adjustability, a front edge lip to accommodate standard parts cups, and ability for quick removal and repositioning height. A 15-pound capacity parts cup rail, 34" in length, will be mounted off the work surface. It will accommodate standard parts cups and allow for height adjustment. These components will provide ESD protection using ESD laminate and/or paint, and coiled ground cord.

**2.2 Packaging Workbench Requirements:** The following packaging workbench shall meet or exceed the following requirements:

**2.2.1 Basic Workbench Dimensions:** The basic dimensions of the workbench will be 72" in work surface width, 30" in total depth, and no more than 72" in total upright height.

- 2.2.2 Total Load Capacity:** The workbench's total load capacity will be equal to or greater than 1000 pounds, evenly distributed across the work surface.
- 2.2.3 Overhead Lighting:** Light fixture will be built to UL standards. The workbench will provide a two-tube overhead lighting fixture.
- 2.2.4 Ergonomics:** The work surface will have a 180° rolled front edge for comfortable use.
- 2.2.5 Power System:** The workbench will be equipped with a 15-amp 60Hz power channel hard mounted across the 72" work surface to provide four duplex outlets, circuit breaker, and power cord.
- 2.2.6 Document Holder:** The document holder will be attached to the workbench uprights, provide height adjustability, a pivot point at upright bracket, a pivot at pan for position, a bottom lip and a clip to display 12"W x 14"H size document.
- 2.2.7 Roll Holder:** A 50-pound capacity roll holder, 72" in length, will be mounted over the work surface and across workbench upright supports. It will have up/down adjustability along the upright supports and in/out adjustment between 1" and 9" from upright face to center of roll. A 50-pound roll holder, 72" in length, will be mounted under the work surface and accommodate a 27" diameter roll. Both roll holders will accommodate a 64" long roll.
- 2.2.8 Shelves:** A top shelf will be mounted above the top roll holder, with a 100-pound capacity, evenly distributed, with following dimensions: 72" across, 12" deep, and accepts dividers 12" in height spaced at 6" increments. A middle shelf will be mounted directly below the work surface for a 6" high compartment 72" across and 12" deep.
- 2.3 General Requirements:** Workbench equipment shall meet the following general requirements:
- 2.3.1 Power Requirements:** 15-amp / 110 volts AC / 60 Hertz
- 2.3.2 Environmental Requirements:** The equipment shall be capable of meeting all performance specifications within the following environmental conditions: 60-100 Degrees Fahrenheit, 40-90% Relative Humidity (non-condensing)
- 2.3.3 Equipment Design:** The equipment shall be configured in a modular enclosure design. All serviceable components shall be designed as slide-in modules to facilitate repair and replacement.
- 2.3.4 Form Factor:** The physical size of individual workbenches shall be no larger than 72" x 30" x 72".
- 2.3.5 ESD Testing:** Static dissipative components measure between 1-megohm and 1,000-megohm at 50% relative humidity. Resistance of ground cord with laminate to hard ground measures 1-megohm. ESD conductive fabrics must direct static charge to a foam underlay that is covered with 3M Velostat for proper conductivity, measure 1-megohm or less, and pass a 81,000 Double Rub abrasion test.

- 2.3.6 Manuals:** The contractor shall provide two copies of all operational and assembly instructions and manuals, parts lists, diagnostic / repair manuals for all the equipment systems and sub-systems. All documentation shall be delivered to NUWC Keyport 30 days after award of contract.
- 2.3.7 Warranty:** The warranty on workbench systems shall be the contractor's commercial standard.
- 2.3.8 Assembly:** The contractor shall perform the complete assembly and commissioning of the workbenches in Building 98T at NUWC Keyport. The contractor shall provide all labor, tools and equipment required to perform assembly. The Navy shall be responsible for rigging services limited to placing the equipment at the installation site
- 2.4 Safety Requirements:** The equipment shall meet all industry standard safety requirements specified in UL and/or ETL.
- 3.0 QUALITY ASSURANCE:** The workbench equipment shall meet the following quality assurance requirements:
- 3.1 Verification Test:** After all assembly tasks have been completed, a Verification Test shall be performed by the contractor, witnessed by NUWC technical representatives, which shall include the following:
- 3.1.1** All hardware shall be tested to ensure all safety equipment is working properly.
- 3.1.2** ESD work surfaces, light fixtures, & adjustment components function properly.
- 3.2 Final Acceptance:** A NUWC representative shall take final acceptance of the equipment after installation and verification testing has been completed. Final acceptance shall not be made until the NUWC representative verifies that all testing performed in Section 4.1 meets all performance requirements in this specification.

**4.0 EQUIPMENT LIST:** The following components (or equivalent) are to be provided per the quantities shown

	Quantity	Description
ELECTRONIC WORKSTATION	30	ESD SES BENCH 30X72X72"
	30	HEIGHT ADJUSTMENT
	30	ERGO FOOT REST TUBE 72"
	30	ERGO FOOT REST PAN 36"
		ESD PARTS CUP STRINGER 72"
		HD ESD SHELF 14X72"
	30	LIGHT, PRISMATIC 72"
		20 15 AMP PLUG STRIP 72"
		SWING-OUT DOCUMENT HOLDER
	9	ESD 30" CORNER, 6" OFFSET SQ BACK
	9	30X30X 6" OFFSET CORNER SHELF NON-ESD
	7	CRT PLATFORM
	7	CPU HOLDER
		24" CLIP RACK
		CLIP PARTS CUP RAILS
		CLIP 15" SHELF
		CLIP POWER STRIP
PACKAGING WORKSTATION	1	SES UPRIGHT SINGLE SIDE 72"
	1	PACKING BENCH 72"
	1	CHANNEL UPRIGHT ASSY 64"
	1	ELECTRICAL CHANNEL
	1	LT LIGHT FIXTURE 72"
	1	UPPER SHELF ASSY 72"
	1	UPPER SHELF BACKSPLASH 72"
	4	UPPER SHELF DIVIDER
	1	MIDDLE SHELF 72" & brackets
	1	MIDDLE SHELF BRACKETS
	1	UPPER PAPER ROLL HOLDER 72"
	1	LOWER PAPER ROLL HOLDER 72"
	1	CLIP PORTRAIT DOCUMENT HOLDER